

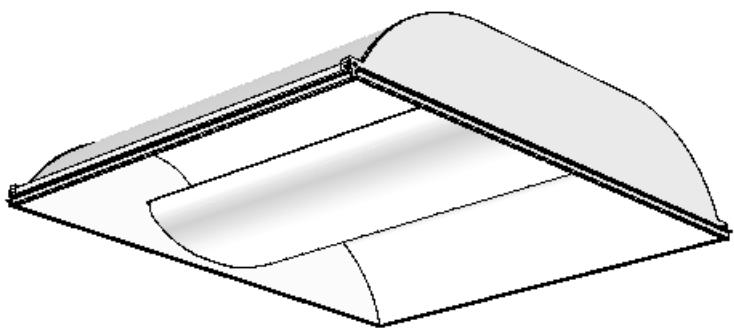
Coffaire II Recessed Fluorescent CFH2GPF217 or 317

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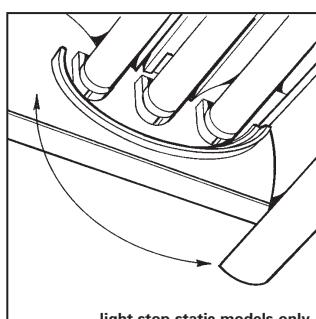
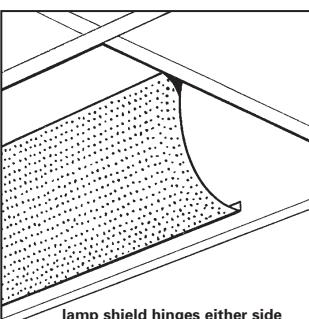
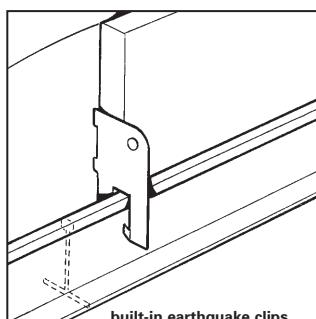
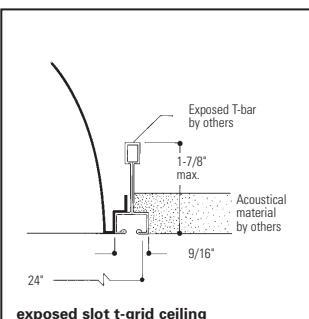
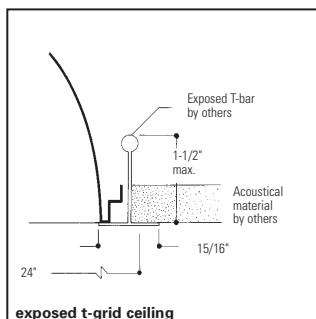
Direct/Indirect – 2' x 2' with Perforated Basket
Air Return/Static, 2 Lamp or 3 Lamp, T8

Features

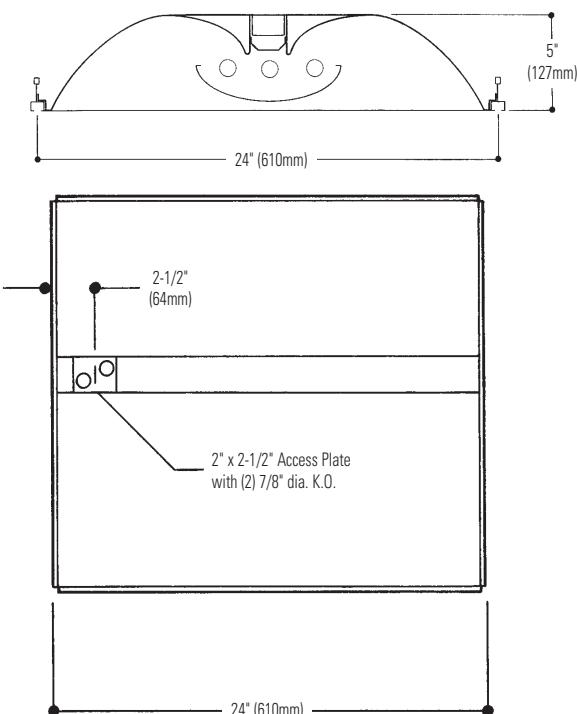
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shield with white acrylic overlay.
- Contoured body and ends.
- Air return models meet UL 1598, Paragraph 9.2.2.5 requirements.
- 61.7% efficient (2 lamp T8).
- 55.9% efficient (3 lamp T8).
- Spacing to mounting ratio 1.4 (2 lamp).
- Spacing to mounting ratio 1.3 (3 lamp).
- Only 5" deep.
- Tension bars secure ends to body.
- Same fixture fits both G and T ceiling.
- Fits flush to face of slot grid (T) ceiling.
- Static models have injection molded light stop at basket ends.
- Air return standard (meets UL requirements).
- Perforated lamp shield hinges from either side.
- Can be continuous row mounted.
- Built-in earthquake clips.
- Construction to meet NYC Code or Chicago Plenum requirements is available.



Mounting Methods



Dimensions



Job Information Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

LI
G
H
T
O
R
E



Coffaire II Recessed Fluorescent CFH2GPF217 or 317

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Model No. CFH2GPF217120SO

LER = FP - 50.2 IW - 30.08 BF - 0.93
Comparative yearly lighting energy cost per
1000 lumens = \$4.78

Report Number: G2004248
Catalog Number: CFH2GPF217120SO
Lamps: F017/41K
Luminaire: Coffaire 2'x2' with perforated
basket
Ballast: Triad C240S1120
Report is based on 1350 Lumens per lamp.
Efficiency: 61.7%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.4
Shielding Angles: 55 65
Plane: 0-Deg 90-Deg
Luminous Length: 22.920 22.920

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	572	572	572	54
5	569	570	570	155
15	541	550	560	155
25	492	515	537	237
35	426	465	500	290
45	346	400	445	307
55	253	322	375	283
65	156	230	260	215
75	78	91	107	104
85	15	16	17	20
90	0	0	0	0

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	30	10
RW	70	50	30	10	50	10
1	67	64	62	60	58	55
2	61	56	52	53	49	47
3	56	49	44	46	42	39
4	51	43	38	41	37	33
5	47	39	33	37	32	29
6	43	35	29	33	28	25
7	40	32	26	30	25	22
8	37	29	23	27	23	20
9	35	26	21	25	21	18
10	32	24	19	23	19	16

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1443.	1668.	1856.
55	1301.	1656.	1928.
65	1089.	1605.	1815.
75	889.	1037.	1219.
85	508.	541.	575.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	446	16.5	26.8
0- 40	736	27.3	44.2
0- 60	1327	49.1	79.7
0- 90	1665	61.7	100.0
90-180	0	0.0	0.0
0-180	1665	61.7	100.0

Model No. CFH2GPF31712003

LER = FP - 48.7 IW - 46.5 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$0.00

Report Number: G2004249
Catalog Number: CFH2GPF31712003
Lamps: F017/41K
Luminaire: Coffaire with perforated
basket
Ballast: Triad B332I120
Report is based on 1350 Lumens per lamp.
Efficiency: 55.9%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.3
Shielding Angles: 55 65
Plane: 0-Deg 90-Deg
Luminous Length: 22.920 22.920

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	800	800	800	76
5	794	796	798	217
15	754	766	780	329
25	684	712	741	399
35	591	638	682	417
45	476	544	600	380
55	346	431	493	30
65	208	300	338	283
75	103	133	147	137
85	19	22	23	27
90	0	0	0	0

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	30	10
RW	70	50	30	10	50	10
1	61	58	56	55	53	51
2	56	51	47	48	45	42
3	51	45	40	42	39	36
4	46	40	35	37	33	30
5	43	35	30	34	29	26
6	39	32	27	30	26	23
7	36	29	24	27	23	20
8	34	26	22	25	21	18
9	32	24	20	23	19	16
10	30	22	18	21	17	15

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1985.	2269.	2503.
55	1779.	2216.	2535.
65	1452.	2094.	2359.
75	1174.	1516.	1675.
85	643.	745.	778.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	621	15.3	27.4
0- 40	1020	25.2	45.1
0- 60	1817	44.9	80.3
0- 90	2264	55.9	100.0
90-180	0	0.0	0.0
0-180	2264	55.9	100.0

Ordering Information

Explanation of Catalog Number. Example: CFH2GPF217120SO

Coffaire II: Direct/ Indirect: Recessed with Perforated Mesh Shield	Body Style: H = Air Return S = Static	Fixture Width	G	P	F	Lamp Quantity 2-2 Lamp 3-3 Lamp	17	Lamp: (By Others) 17-T8 (Nominal 24")	Voltage: 120, 277 or UNV-120-277	Options: Add appropriate suffix to catalog no., ie: (GLR)	Ballast Type: <20THD <10THD SO * HI * 03 * H3 * PS -
CF	Standard Coffaire II										
CY	For NYC Code – I.B.E.W. Manufactured										
C3	For NYC Code –Local 3 Manufactured										

Options/Accessories

Fusing: Internal fast blow fusing: SUFFIX: GLR.

Internal slow blow fusing: SUFFIX: GMF.

Drywall Kit: Order Catalog Number: FK92X2 and CF2FK SPACER.

Electrical Wiring Options: Consult factory.

Chicago Plenum: SUFFIX: C.

Specifications

Performance: In an installation of 2 lamp 40W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .64. To reduce glare the average brightness at 65° shall not exceed 1815 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 73.2%.

Materials: Chassis parts are die-formed code gauge steel.

Lamp Shield: 22 gauge steel perforated mesh lamp shield with white acrylic overlay.

Finish: Chassis exterior – baked white polyester enamel. Cavity – baked flat white polyester enamel. Reflector – baked flat white polyester enamel, mini-

Specifications (continued)

mm 86% reflectance. Phosphate undercoating. Lamp Shield – baked flat white acrylic enamel.

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°. UL Listed for damp locations.

Labels: I.B.E.W./UL and ULc Listed.

Job Information

Type:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

We reserve the right to change details of design, materials and finish.

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Section 5/Folio M15-34

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C
H
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M
A